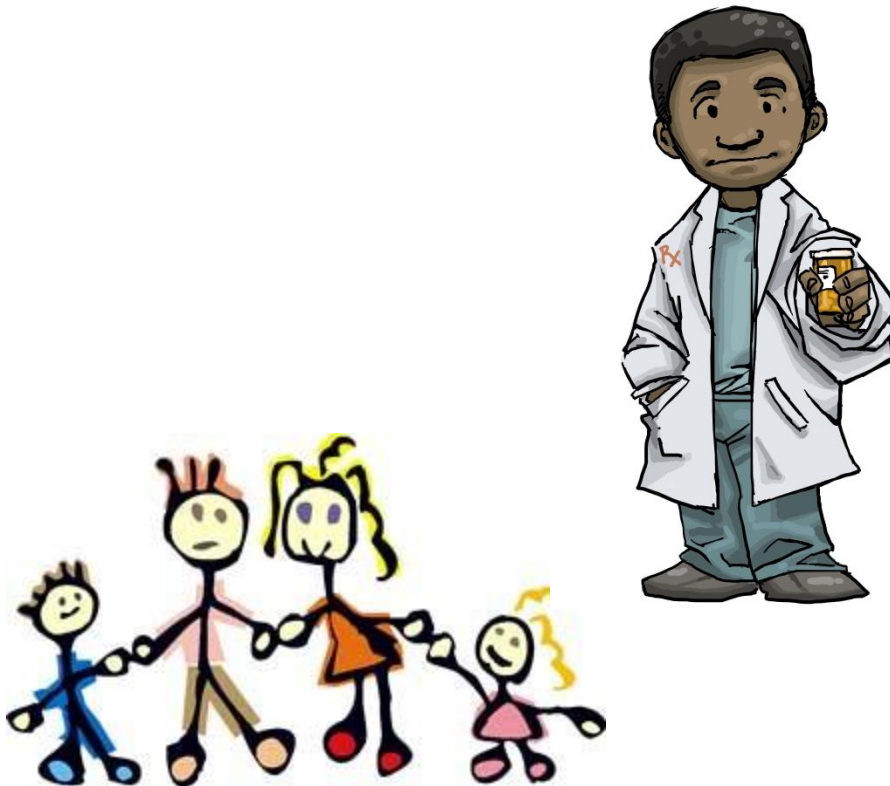


A Prescription to Expand Vaccine Access:

Partnering with Pharmacists





Workshop Presenters

- Jeff Goad, Pharm.D., MPH
 - University of Southern California
- Anh Ly, Pharm.D.
 - Ralphs Grocery Company Pharmacies
- Misha Osborne, Pharm.D.
 - Safeway Pharmacies
- Michelle Tenerelli, RPh
 - Rite Aid Corporation Pharmacies

Why Pharmacists?

- Inability to achieve national goals for adult and adolescent vaccination
- Convenience and accessibility
- Trust in the pharmacist (Gallop Poll)



- Cost effective
- ACA removes cost barrier, ↑ # needed to vaccinate
- Highly trained



Pharmacist Training

- 4 year curriculum (after 4 yr BS)
 - all Pharm.D. since 1970s in CA
- Certificate based IZ training
 - During Pharmacy school
 - Post-Grad
 - 20+ hours with injection workshop (IM/SC)
 - Deltoid and SC upper arm
 - APhA program has trained > 180,000 pharmacists
- BLS, BBP, HIPAA

Immunization and Pharmacists



- CA Pharmacists authorized to vaccinate since 1995

- B&P 4052
 - Administer immunizations pursuant to a protocol with a prescriber
 - No age or vaccine limits
 - Protocol not patient specific





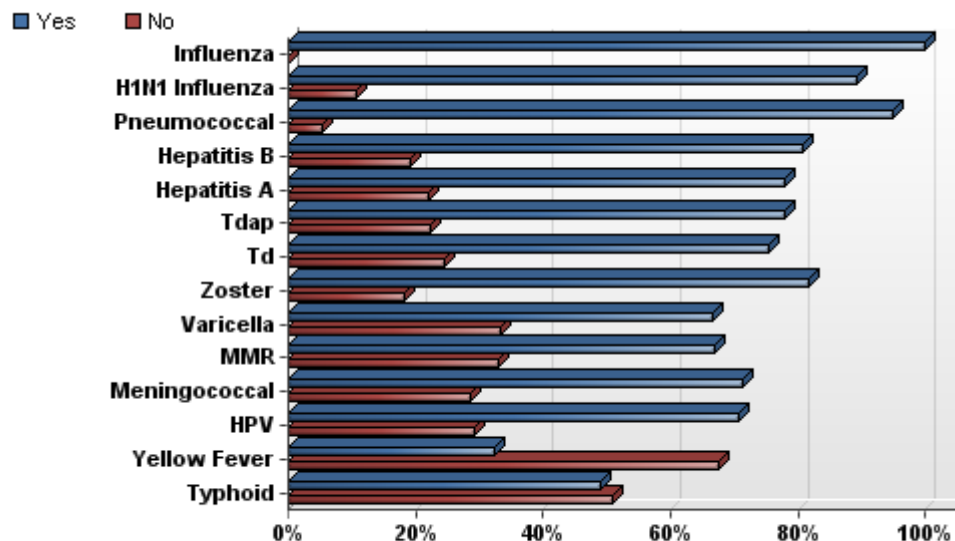
Adult Immunizations

VACCINE ▼	INDICATION ►	Pregnancy	Immunocompromising conditions (excluding human immunodeficiency virus [HIV]) ^{4,6,7,14}	HIV infection ^{4,7,13,14} CD4+ T lymphocyte count		Men who have sex with men (MSM)	Heart disease, chronic lung disease, chronic alcoholism	Asplenia ¹³ (including elective splenectomy and persistent complement component deficiencies)	Chronic liver disease	Diabetes, kidney failure, end-stage renal disease, receipt of hemodialysis	Health-care personnel
				< 200 cells/ μL	≥ 200 cells/ μL						
Influenza ²			1 dose TIV annually			1 dose TIV or LAIV annually		1 dose TIV annually			1 dose TIV or LAIV annually
Tetanus, diphtheria, pertussis (Td/Tdap) ^{3,*}			Substitute 1-time dose of Tdap for Td booster; then boost with Td every 10 yrs								
Varicella ^{4,*}			Contraindicated			2 doses					
Human papillomavirus (HPV) Female ^{5,*}			3 doses through age 26 yrs			3 doses through age 26 yrs					
Human papillomavirus (HPV) Male ^{5,*}			3 doses through age 26 yrs			3 doses through age 21 yrs					
Zoster ⁶			Contraindicated			1 dose					
Measles, mumps, rubella (MMR) ^{7,*}			Contraindicated			1 or 2 doses					
Pneumococcal (polysaccharide) ^{8,9}			1 or 2 doses								
Meningococcal ^{10,*}			1 or more doses								
Hepatitis A ^{11,*}			2 doses								
Hepatitis B ^{12,*}			3 doses								

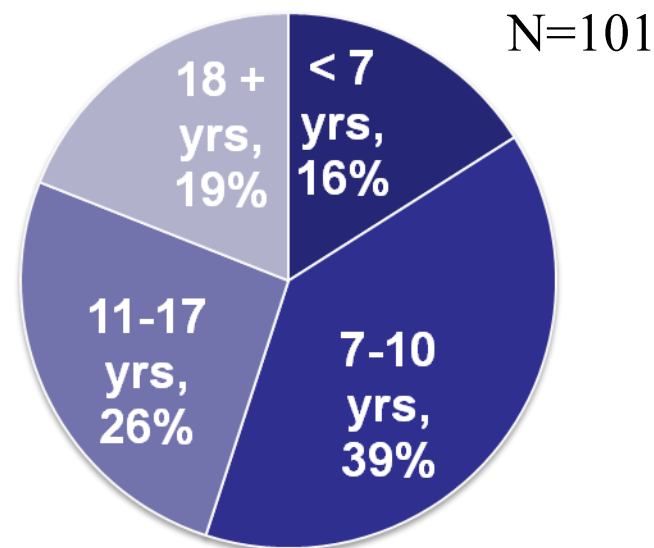


Protocols and Pharmacists

Vaccines per protocol



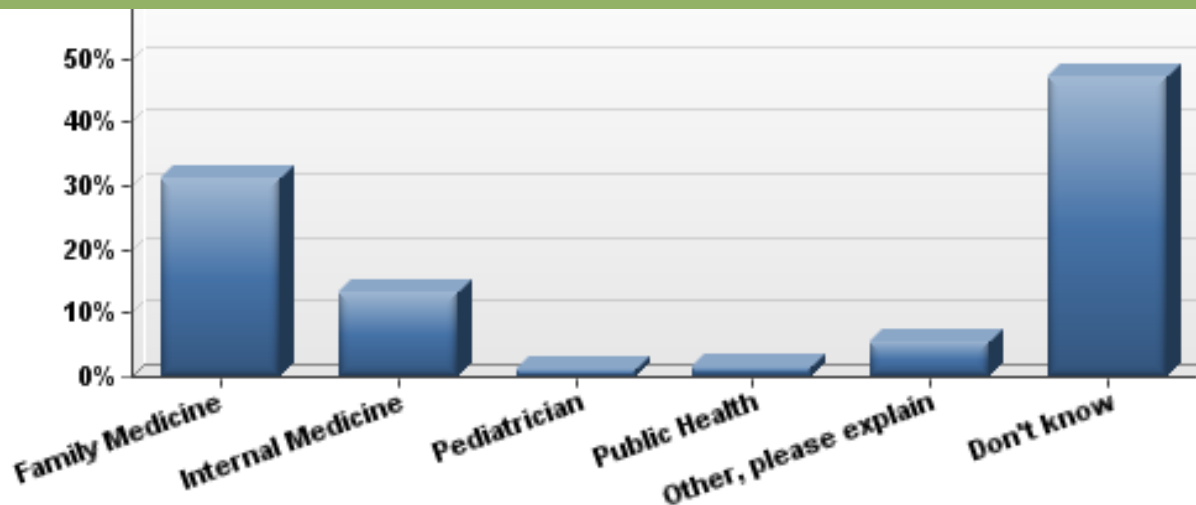
Minimum age



81% can vaccinate teens

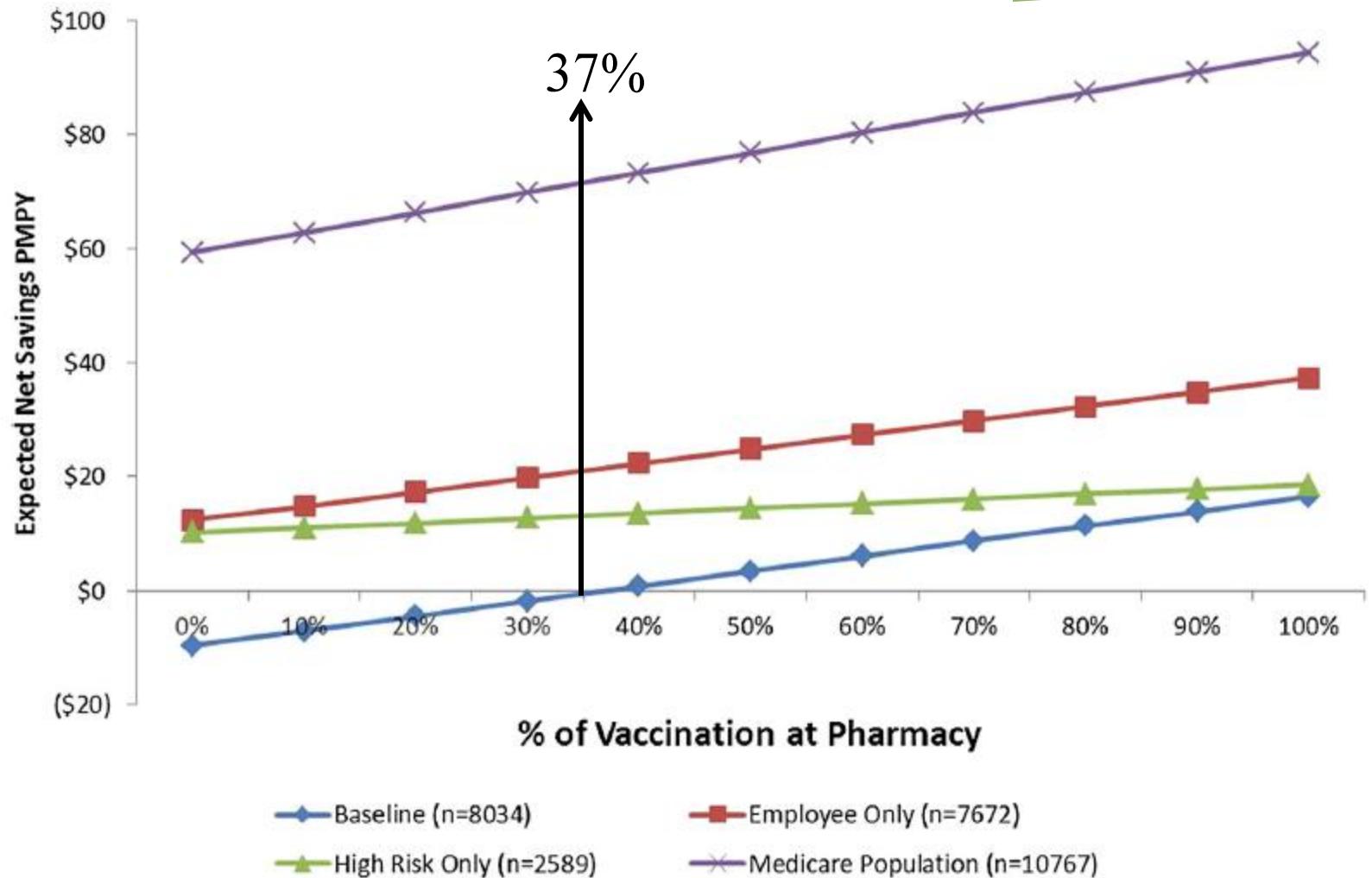
17% CANNOT vaccinate pregnant women

Pharmacists and Protocol Physicians



- 65% say protocol restrictions have limited their ability to vaccinate in the past 12 months
- 73% of pharmacists feel the physician signed protocol is unnecessary

Opportunity Analysis





Anh-Vuong Ly, Pharm.D.

Pharmacy Clinical Coordinator

Ralps Grocery Company Pharmacies

Ralphs Grocery Company

- Division of The Kroger Company Family of Pharmacies
- 89 Pharmacies across Southern CA
- Clinical Programs
 - Immunizations
 - Travel Clinic
 - Health and Wellness Programs
 - Disease-state management

THE KROGER CO. FAMILY OF PHARMACIES



Immunization Program

- Under protocol, we can administer vaccinations to patients ≥ 11 years
- Over 230 Immunization certified pharmacists in CA alone
- Almost 40,000 vaccines were administered in fiscal year 2011 (Southern CA only)



Vaccines Per IMZ Protocol

- Influenza
- Tetanus, Diphtheria, Pertussis (Td/Tdap)
- Pneumococcal
- Hepatitis A
- Hepatitis B
- Meningococcal
- Measles, Mumps, Rubella
- Herpes Zoster
- Human Papillomavirus



Vaccines Per Travel Protocol

- Typhoid Vaccine (IM and PO formulations)
- Japanese Encephalitis Vaccine (Ixiaro®)
- Rabies Vaccine (Pre-exposure only)
- Yellow Fever Vaccine (pending)

Partnerships Past and Present

- Senior population
- Private businesses
 - Office buildings
 - Employer groups
- Underserved/Uninsured communities
 - CPG partnership
 - Salvation army



Partnerships Past and Present (Cont.)

- Collaborating with prescriber offices / Accountable Care Organizations (ACOs)
 - Zostavax®
- Medication Therapy Management
 - Increase Opportunity to Education on Vaccinations
 - Increase ability to identify/screen high risk patients
 - Medication and Social History



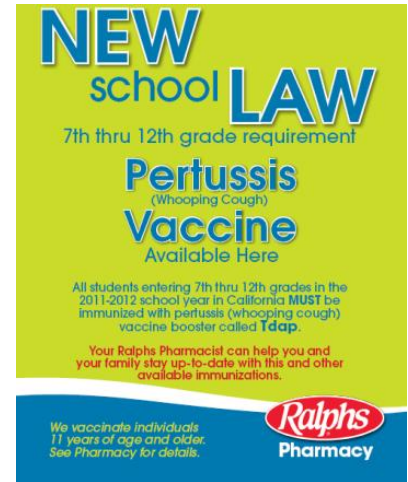
Goals and Strategies

- Goals

- Expand access to immunizations
- Educate patients on importance of up-to-date vaccinations
 - Prevention vs. Treatment
 - Childhood vs. Adult immunizations
 - Economic impact – without vaccinations
- Increase awareness/education on insurance coverage for vaccinations

Goals and Strategies (cont.)

- Targeting population groups
 - Health fairs
 - Free promotional screenings
 - Presentations at senior homes
 - MTM
- Utilizing previously established partnerships
 - External
 - Internal



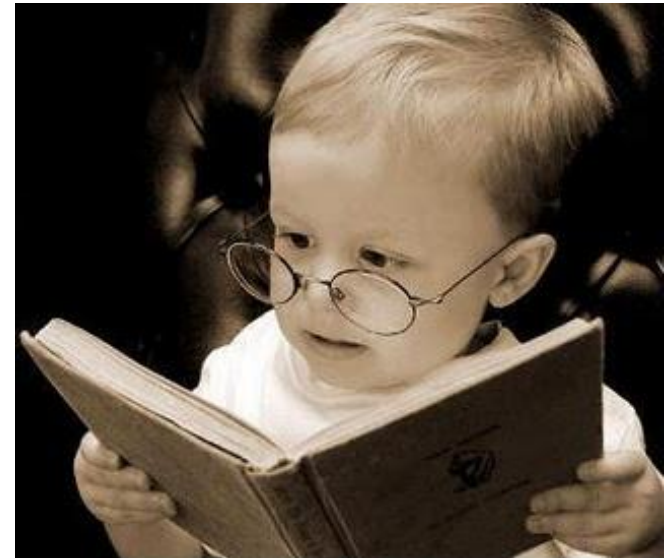


Goals and Strategies (cont.)

- Presentation at Healthcare Providers' Association/Conferences
 - Nursing Associations
 - Diabetes Educators
 - Social Workers
- Medication Reconciliation
 - Collaboration with Hospitals and Pharmacy Benefits Managements (PBMs)

Lessons Learned

- Barriers
 - Third Party reimbursement
 - Employer / Consumer buy-in
 - Competition
- Persistence
- Creativity
- Networking
- Collaborative practice
maximizes patient outcomes





RITE AID AND IMMUNIZATIONS

The Importance of Vaccines

 SERVICE  GROWTH  EXCELLENCE

IMMUNIZATION PROGRAM

- ▶ Rite Aid started providing vaccines in CA in 2004 at a limited number stores, now all CA Rite Aid's provide vaccines
- ▶ Rite Aid has
 - ↳ 584 stores in CA
 - ↳ 144 stores in Los Angeles County
- ▶ We have 8 travel clinics, 3 in CA
 - ↳ Full travel consults
 - ↳ All travel vaccines on protocol

With us,
it's personal.



SERVICE | GROWTH | EXCELLENCE

IMMUNIZATION TRAINING

- ▶ Immunization Training required for all pharmacists. Original training is a 20-hour CDC approved program
- ▶ Ongoing Immunization Training
 - ↳ Online – yearly
 - Immunization Update CE (3 hours)
 - Exposure Control
 - ↳ CPR for Health Care Providers – every 2 years

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SERVICE | GROWTH | EXCELLENCE

VACCINES PROVIDED

Influenza

Meningococcal

Measles

Mumps

Rubella

Pneumococcal

Varicella

Zoster (Shingles)

Hepatitis A

Hepatitis B

Haemophilus Influenzae

Human Papillomavirus

Tetanus

Diphtheria

Pertussis

Poliovirus

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SERVICE | GROWTH | EXCELLENCE

VACCINE IN STOCK

- ▶ All store have or can get the next day if out
 - ↳ Influenza
 - Preservative free
 - Latex free
 - ↳ Tdap
 - ↳ Pneumococcal
- ▶ Most stores have or can get 3-5 days
 - ↳ Zoster
- ▶ Rest of vaccine can vary by store and demand but can be ordered within 2-5 days

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SERVICE | GROWTH | EXCELLENCE

PATIENT POPULATION

- ▶ Rite Aid main focus is the underimmunized populations of adolescents and adults but can provide immunizations on protocol at all Rite Aid location during regular business hours for:
 - ↳ Injectable vaccines over the age of 3 years
 - ↳ Intranasal for those over the age of 2 years
- ▶ Pharmacists follow CDC and ACIP Guidelines
- ▶ Protocol also allows for other competent authorities

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SERVICE | GROWTH | EXCELLENCE

NUMBER OF VACCINES IN LA COUNTY

► 2011

↳ Influenza	54,000
↳ Pertussis	12,000
↳ Zostavax	3,000
↳ All vaccines	70,000

► 2012 (9-20-12)

↳ Influenza	23,000
↳ Pertussis	3,000
↳ Zostavax	6,000
↳ All vaccines	33,000

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SERVICE | GROWTH | EXCELLENCE

COMMUNITY OUTREACH

▶ Influenza

- ↳ Business Outreach
- ↳ Internal store promotion
- ↳ Corporate promotion
- ↳ Local health fairs

▶ Pertussis

- ↳ Secondary school outreach

▶ Pneumococcal

- ↳ Internal store promotion
- ↳ All influenza clinics

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SERVICE | GROWTH | EXCELLENCE

PARTNERSHIPS

- ▶ Vaccine Manufactures
 - ↳ National publicity on specifics vaccines
 - ↳ Coordinate internal promotions
- ▶ Public Health Departments
 - ↳ Pertussis outbreak
 - ↳ Influenza school outreach
- ▶ Private Schools
 - ↳ Pertussis clinics on site
 - ↳ Provide flyers to sent out to parents

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SERVICE | GROWTH | EXCELLENCE

REIMBURSEMENT

- ▶ Recognition of pharmacist as an administrator of vaccines for reimbursement
 - ↳ Medicare part B and D – Yes
 - ↳ Advantage plan billing – Not always
 - ↳ State medical – No but we accept the payment
 - ↳ Third party plans some can capture the MA code
 - Medico
 - Express Script

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SERVICE | GROWTH | EXCELLENCE

REIMBURSEMENT

- ▶ Third Party that cover vaccines
 - ↳ Medical Billing- Aetna, Cigna, UHC
 - Multiple vaccines are covered
 - ↳ Federal Employee Plan, CalPERS
 - ↳ Medical – product only
- ▶ Cash
 - ↳ Travel vaccines
 - ↳ Adult vaccines other than influenza, pneumococcal, and zoster.

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SERVICE | GROWTH | EXCELLENCE

Vons/ Pavilions Pharmacy

Misha Osborne, Pharm D
Patient Care Service Manager



History

- Started 12 years ago giving community immunizations
 - UOP Class 2000 1st year pharmacist trained
- 2004 Vons (Safeway) trained company wide for those RPh's interested in providing immunizations
- 2008 Vons (Safeway) made Immunization training mandatory for all RPh's
- Today all Vons (Safeway) stores able to provide vaccines

Vons Immunization Program

- Done by Protocol with collaborating MD
- Follow ACIP guidelines.
- Able to do ages 8 and older
 - Exception is Flumist
 - 5 years and older for flumist
- Most immunizations available daily as a walk in bases

Immunizations Provided Via ACIP Guidelines

Hepatitis A

Influenza Vaccine

MMR Vaccine

HPV Vaccine

Typhoid Vaccine

Tetanus-Diptheria(Td)

Tetanus-Diptheria-Pertussis (Tdap Adult)

Haemophilus influenzae B Vaccine

Flumist * Available for 5 and older.

Hepatitis B

Pneumococcal Vaccine

Varicella Vaccine

Shingles Vaccine

Polio Vaccine

Meningococcal Vaccine

Special Training Immunizations

- Travel Stores available to provide
 - Yellow Fever
 - Ixiaro (Japanese Encephalitis)
 - Rabies
- Specialty Medications also done in many of our stores.
 - Atypical antipsychotics
 - Treatment/ prevention of osteoporosis
 - Hormone replacement
 - Prevention of deep vein thrombosis
 - Anemia treatments

Vons LA County Flu Stats

2007	2008	2009	2010	2011	2012
8,422	13,844	21,737*	12,108	13,134*	5,300

*H1N1

*11/12/11

58% of 2011

- Each Flu Season has challenges
 - 2009 H1N1
 - 2010 Fatigue (RPh and Public)
 - 2011 Safeway host upgrade incomplete data
 - 2012 58% of last year.
 - Heat?
 - More competition?
 - Lack of Hype/ Advertisement?

How To Improve Vaccine Rates?

- RPh readily available and convenient
 - Challenge: Making RPH comfortable on all vaccines
- Healthy People 2020- goals to reach our patient population
 - Challenge: Educating public, overcome barriers (I.E. Zostavax giving them Herpes)
- Immunization coverage
 - Improving but have a long way to go for general population
 - Primarily see 50 and older
 - 65 and over covered so easy sell
- We report to CAIR

Questions?

